

**AMENDMENTS TO THE CLAIMS**

**Listing of Claims:**

1. (Currently amended) A method for ~~transformation of~~ selection of transgenic potato plants comprising
  - i) transforming potato plant cells with an expression vector comprising
    - a) a promoter active in plants,[[;]]
    - b) operably linked thereto a DNA sequence encoding a protein with the biological activity of an AHA synthase resistant to inhibitors of potato plant wildtype AHA synthase,~~;-~~and
    - c) operably linked thereto regulatory sequences which serve as transcription termination and/or polyadenylation signals in plants, and
    - d) a heterologous DNA sequence containing information that causes changes in the carbohydrate concentration or the carbohydrate composition of regenerated potato plants,
  - ii) selecting for AHA synthase inhibitor resistant cells using an imidazolinone type herbicide as a selection agent, and
  - iii) regenerating the resistant cells to transgenic plants expressing the heterologous DNA sequence,wherein an antibiotic is not used as a selection agent for selecting the resistant cells.
2. (Currently amended) The method ~~for transformation according to~~ of claim 1, wherein the ~~expression vector comprises~~ the DNA sequence of comprises the nucleotide sequence of SEQ ID NO: 1.
3. (Currently amended) The method ~~for transformation according to~~ of claim 1, wherein the ~~expression vector comprises a~~ DNA sequence comprises ~~selected from the group consisting of~~
  - a) ~~a DNA sequence comprising the nucleotide sequence of~~ SEQ ID NO: 1;
  - b) ~~a DNA sequence comprising a~~ nucleotide sequence which hybridizes to a complementary strand of the nucleotide sequence of ~~a); and~~ SEQ ID NO: 1, or

- e) ~~b)~~ a DNA sequence comprising a nucleotide sequence which is degenerate to the nucleotide sequence of ~~a)~~ SEQ ID NO: 1,  
wherein the DNA sequence encodes a protein possessing AHA synthase activity and confers resistance to AHA synthase inhibitors.
4. (Currently amended) The method ~~for transformation according to~~ of claim 1, wherein the promoter is an AHA synthase promoter from *Arabidopsis thaliana* or a nos promoter.
5. (Currently amended) The method ~~for transformation according to~~ of claim 1, wherein the terminator is a AHA synthase terminator from *Arabidopsis thaliana* or a OCS terminator.
6. (Cancelled)
7. (Currently amended) The method ~~for transformation according to~~ of claim 1, wherein the imidazolinone type herbicide is (RS) 2 (4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)-5-methoxymethylnicotinic acid.
8. (Cancelled)
9. (Currently amended) The ~~plant expression vector according to claim 8~~ method of claim 1, wherein the heterologous DNA sequence encodes a peptide, protein, antisense-, sense-RNA, viral RNA or ribozyme.
10. (Cancelled)
11. (Currently amended) The ~~plant expression vector according to claim 10~~ method of claim 1, wherein the heterologous DNA sequence contains information that causes increased production of amylopectin type starches.
- 12-19. (Cancelled)